CLAIMS

A valve assembly for venting pressurized gases generated from 1 1. within an enclosed package during a heating of the package, said valve 2 assembly comprising: 3 a tubular body having an open end and a closed end, said tubular body 4 defining a recess between said open and closed ends, said closed end having an 5 aperture for venting the pressurized gases therethrough; 6 a retaining member operative for snap-fit engagement with said tubular 7 body, said retaining member being spaced from said closed end of said tubular 8 9 body; and a membrane element positioned between said closed end of said tubular 10 body and said retaining member, said membrane element being positioned 11 along said closed end to maintain a substantially sealed environment within the 12 packaging, said membrane element being displaceable from said closed end to 13 allow pressurized gases to pass through said aperture, said membrane element 14 being formed from cast polypropylene so as to not permanently deform during 15 heating of the package. 16

2. The valve assembly as set forth in claim 1, wherein said tubular body includes a flanged portion defined along said open end thereof.

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- 3. The valve assembly as set forth in claim 2, wherein said tubular body includes a rim formed along at least a portion of said flanged portion and operative for snap-fit engagement with said retaining member.
- 4. The valve assembly as set forth in claim 3, wherein said flanged portion includes an inside edge, said rim being formed along said inside edge.
- 5. The valve assembly as set forth in claim 4, wherein said tubular body is cylindrically shaped.

WO 2005/036983

PCT/US2004/034361

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1	6. The valve assembly as set forth in claim 5, wherein said flange			
2	portion is annular and extends radially outwardly from said tubular body.			
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1	7. The valve assembly as set forth in claim 6, wherein said rim has			
2	a diameter smaller than that of said tubular body.			
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1	8. The valve assembly as set forth in claim 4, wherein said recess			
2	includes a depth defined between said inside edge and said closed end of said			
3	tubular body.			
1	9. The valve assembly as set forth in claim 1, wherein said			
2	retaining member has at least one concave edge that facilitates a removal of			
3	said retaining member from said recess.			
1	10. The valve assembly as set forth in claim 1, wherein said closed			
2	end includes a plurality of apertures for venting the pressurized gases			
3	therethrough.			
1	11. The valve assembly as set forth in claim 1, wherein each of said			
2	apertures has a substantially sector shape with a diameter of 1.8 mm and a			
3	length of 2.6 mm.			
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1	12. The valve assembly as set forth in claim 1, wherein the retaining			
2	member includes at least one rib extending between opposite sides thereof.			
1	14. A package comprising:			
2	a sealing film having a continuous inner edge defining an aperture;			
3	a valve assembly sealingly secured along said inner edge of said			
4	aperture, said valve assembly having:			

5	a tubular body having an open end and a closed end, said tubular			
6	body defining a recess between said open and closed ends, said closed en			
7	having an aperture for venting the pressurized gases therethrough;			
8	a retaining member operative for snap-fit engagement with said			
9	tubular body, said retaining member being spaced from said closed end of said			
10	tubular body; and			
11	a membrane element positioned between said closed end of said			
12	tubular body and said retaining member, said membrane element bein			
13	positioned along said closed end to maintain a substantially sealed environment			
14	within the packaging, said membrane element being displaceable from said			
15	closed end to allow pressurized gases to pass through said aperture, said			
16	membrane element being formed from cast polypropylene so as to no			
permanently deform during heating of the package.				
1	15. The valve assembly as set forth in claim 14, wherein said			
tubular body includes a flanged portion defined along said open en				
1	16. The valve assembly as set forth in claim 15, wherein said			
2	tubular body includes a rim formed along at least a portion of said flange			
3	portion and operative for snap-fit engagement with said retaining member.			
	15 50 the country of fauth in plain 16 wherein said			
1	17. The valve assembly as set forth in claim 16, wherein said			
2	flanged portion includes an inside edge, said rim being formed along said			
3	inside edge.			
1	18. The valve assembly as set forth in claim 17, wherein said			
	tubular body is cylindrically shaped.			
2	tubulat body is cymiatically shaped.			
1	19. The valve assembly as set forth in claim 18, wherein said flange			
2	portion is annular and extends radially outwardly said tubular body.			

WO 2005/036983 PCT/US2004/034361

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1	20.	The valve assembly as set forth in claim 19, wherein said rin
2	has a diameter	smaller than that of said tubular body.

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- 21. The valve assembly as set forth in claim 17, wherein said recess includes a depth defined between said inner edge and said closed end of said tubular body.
- 1 22. The valve assembly as set forth in claim 14, wherein said closed 2 end includes a plurality of apertures for venting the pressurized gases 3 therethrough.
 - 23. The valve assembly as set forth in claim 1, wherein said membrane element is displaced from said closed end in response to pressure within the package exceeds a pressure ranging between 4-7.5 mbars allowing pressurized gases to pass through said aperture.